

| | | |
|----------------------|----------|-------|
| jc564 | U.S. PTO | 451.1 |
| 09/012362 | | |
| 01/23/98 | | |
| 362 | Subclass | |
| Class | | |
| ISSUE CLASSIFICATION | | |

PATENT NUMBER

5980071



U.S. UTILITY PATENT APPLICATION

| | |
|-------------------------------------|----------------------------|
| O.I.P.E. | PATENT DATE NOV 09 1999 |
| SCANNED <u>CHITL</u> Q.A. <u>Mo</u> | |

| | | | | |
|--------|-------|----------|--------------|-----------|
| SECTOR | CLASS | SUBCLASS | ART UNIT | EXAMINER |
| | 307 | 454D | 2875 2405 | SPARK TSO |

FILED WITH: DISK (CRF) FICHE
(Attached in pocket on right inside flap)

PREPARED AND APPROVED FOR ISSUE

ISSUING CLASSIFICATION

Continued on Issue Slip Inside File Jacket

| TERMINAL DISCLAIMER | | DRAWINGS | | | CLAIMS ALLOWED | |
|---|--|---|-------------|------------|--|----------------------|
| <input type="checkbox"/> TERMINAL DISCLAIMER | | Sheet(s) Drawn | Figs. Drawn | Print Fig. | Total Claims | Print Claim for O.G. |
| <input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed. | | _____ (Assistant Examiner) _____ (Date) | | | NOTICE OF ALLOWANCE MAILED | |
| <input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S Patent. No. _____ | | Laura Tso LAURA K. TSO PRIMARY EXAMINER (Primary Examiner) _____ (Date) 5/99 | | | 5-10-99 ISSUE FEE Amount Due \$ 1310.00 Date Paid 5/13/99 | |
| <input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed. | | Laura Tso 5/11/99 (Legal Instruments Examiner) _____ (Date) | | | ISSUE BATCH NUMBER | |
| WARNING: The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. | | | | | | |

WARNING:

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

**Form PTO-438A
(Rev. 10/97)**

Formal Drawing: [\(hts\) set](#)

(LABEL AREA)

ISSUE FEE FILE

(EACCE)

Best Available Copy

STAPLE

AREA

a U.S. GOVERNMENT PRINTING OFFICE: 1998-446-168

| | | |
|--|---|---|
| PATENT NUMBER | ORIGINAL CLASSIFICATION | |
| | CLASS 362 | SUBCLASS 454 |
| APPLICATION SERIAL NUMBER 09/012,362 | CROSS REFERENCE(S) | |
| | CLASS 362 | SUBCLASS (ONE SUBCLASS PER BLOCK) 249 |
| APPLICANT'S NAME (PLEASE PRINT) Hsieh | CLASS 362 | SUBCLASS 408 |
| | | |
| IF REISSUE, ORIGINAL PATENT NUMBER | | |
| | | |
| INTERNATIONAL CLASSIFICATION | | |
| F 2 1 V F 2 1 V | 7/00 | |
| | 19/00 | |
| | | |
| | | |
| | | |
| GROUP ART UNIT 2875 | ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME) — | |
| | PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME) Laura Tso | |
| ISSUE CLASSIFICATION SLIP | | |

PTO 270
(REV. 5-91)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE